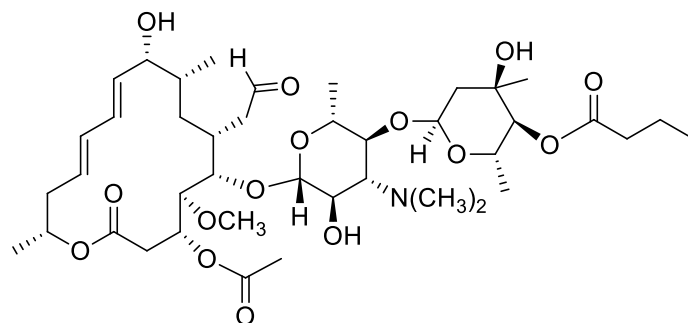


Leucomycin A4

Code No.: **BIA-L1364**

Pack sizes: **1 mg, 5 mg**



Synonyms : Kitasamycin A4

Specifications

| | |
|-------------------|---|
| CAS # | : 18361-46-1 |
| Molecular Formula | : C₄₁H₆₇NO₁₅ |
| Molecular Weight | : 814 |
| Source | : <i>Streptomyces kitatoensis</i> |
| Appearance | : White solid |
| Purity | : >95% by HPLC |
| Long Term Storage | : -20°C |
| Solubility | : Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility. |

Application Notes

Leucomycin A4 is a major metabolite from the leucomycin complex, a family of closely related macrocyclic lactone antibiotics produced by *Streptomyces kitatoensis*, discovered in 1953. Leucomycin A4 is one of the more potent antibiotics of the complex. Leucomycin complex (kitasamycin) is used as an animal health product for control of Gram positive bacteria, Gram negative cocci, leptospira and mycoplasma. Little is known about the activity of individual analogues within the complex as their limited availability has restricted investigation.

References

1. Leucomycin, a new antibiotic. Hata T. et al., J. Antibiotics Ser. A 1953, 6, 87.
2. The chemistry of leucomycins. VI. Structures of leucomycin A4, A5, A6, A7, A8 and A9. Omura S. et al., J. Antibiot. 1968, 21, 272.
3. Structure-biological activities relationships among leucomycins and their derivatives. Mura S. et al., J. Antibiot. 1968, 21, 532.